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# NOTICE OF ALLOWANCE AND FEE(S) DUE

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10/01/2009

TREXLER, BUSHNELL, GIANGIORGI, BLACKSTONE & MARR, LTD. 105 WEST ADAMS STREET SUITE 3600 CHICAGO, IL 60603

EXAMINER					
LU, C CAIXIA					
ART UNIT	PAPER NUMBER				

1796 DATE MAILED: 10/01/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/595,414	01/08/2008	Michinori Suzuki	501/44900/106-PCT-US	8969

TITLE OF INVENTION: CATALYST FOR POLYMERIZATION OF CONJUGATED DIENE AND METHOD OF POLYMERIZATION CONJUGATED DIENE USING THE CATALYST, RUBBER COMPOSITION FOR TIRES, AND RUBBER COMPOSITION FOR GOLF BALLS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	01/04/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

### Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

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appropriate. All further	correspondence including ed below or directed oth	g the Patent, advance o	rders and notification of n	naintenance fees wi	ill be r	mailed to the current	nould be completed where correspondence address as arate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
TREXLER, BUSHNELL, GIANGIORGI, BLACKSTONE & MARR, LTD. 105 WEST ADAMS STREET			I he	Cert	ificate	of Mailing or Trans	
SUITE 3600 CHICAGO, IL 6	50603						(Depositor's name)
	, 0 0 0 0						(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
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nonprovisional	NO	\$1510	\$300	\$0	•	\$1810	01/04/2010
EXAM	INER	ART UNIT	CLASS-SUBCLASS				
LU, C C	CAIXIA	1796	528-077000				
"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required.  3. ASSIGNEE NAME A	ondence address (or Cha 3/122) attached. ication (or "Fee Address')2 or more recent) attach  ND RESIDENCE DATA less an assignee is identih in 37 CFR 3.11. Comp	nge of Correspondence  Indication form ed. Use of a Customer  A TO BE PRINTED ON	2. For printing on the p (1) the names of up to or agents OR, alternativ (2) the name of a single registered attorney or a 2 registered patent attolisted, no name will be THE PATENT (print or type data will appear on the patent attolisted). The patent of	3 registered patent yely, e firm (having as a gent) and the name ments or agents. If n printed.	members of up	er a 2 o to e is 3 entified below, the d	ocument has been filed for
Please check the appropr							oup entity Government
4a. The following fee(s) are submitted:  ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			<ul> <li>4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)</li> <li>A check is enclosed.</li> <li>Payment by credit card. Form PTO-2038 is attached.</li> <li>The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).</li> </ul>				
5. Change in Entity State	<b>tus</b> (from status indicated s SMALL ENTITY statu		☐ b. Applicant is no long	ver claiming SMAI	I FNT	TTV status See 37 C	FR 1 27(g)(2)
	d Publication Fee (if requ	ired) will not be accepte	ed from anyone other than the	-			ne assignee or other party in
Authorized Signature				Date			
Typed or printed name	e			Registration No	o		
This collection of inform an application. Confiden submitting the complete this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223	tiality is governed by 35 d application form to the tons for reducing this but irginia 22313-1450. DC	FR 1.311. The informati U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to the NOT SEND FEES OR	on is required to obtain or r 1.14. This collection is est y depending upon the indiv the Chief Information Office COMPLETED FORMS TO	etain a benefit by th imated to take 12 m idual case. Any cor r, U.S. Patent and T D THIS ADDRESS.	ne publi ninutes nments Fradem . SENE	ic which is to file (and to complete, includir s on the amount of ti- nark Office, U.S. Dep O TO: Commissioner	I by the USPTO to process) g gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/595,414 01/08/2008		Michinori Suzuki	501/44900/106-PCT-US	8969
279 75	90 10/01/2009		EXAM	INER
TREXLER, BUS	HNELL, GIANGIO	LU, C CAIXIA		
BLACKSTONE &	,		ART UNIT	PAPER NUMBER
105 WEST ADAM SUITE 3600	IS STREET		1796	
CHICAGO, IL 606	503		DATE MAILED: 10/01/200	9

# **Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)**

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 64 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 64 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)	
	10/595,414	SUZUKI ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Caixia Lu	1796	
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313 1.   This communication is responsive to Remarks filed Augus	(OR REMAINS) CLOSED in the or other appropriate communication. This application is substant and MPEP 1308.	is application. If not include cation will be mailed in due c	d course. <b>THIS</b>
2. ☑ The allowed claim(s) is/are <u>16-23</u> .			
3.  Acknowledgment is made of a claim for foreign priority una   Mall   b)  Some*   c)  None   of the:  1.  Certified copies of the priority documents have   2.  Certified copies of the priority documents have   3.  Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4.  A SUBSTITUTE OATH OR DECLARATION must be subminformal PATENT APPLICATION (PTO-152) which give   5.  CORRECTED DRAWINGS (as "replacement sheets") must (a)  including changes required by the Notice of Draftspers   1)  hereto or 2)  to Paper No./Mail Date (b)  including changes required by the attached Examiner' Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the company of the deposit	e been received. e been received in Application I becuments have been received in of this communication to file a MENT of this application.  Initted. Note the attached EXAM es reason(s) why the oath or do st be submitted.  Is on's Patent Drawing Review ( Is Amendment / Comment or in the the header according to 37 CFR application.	No  In this national stage application this national stage application is deficient.  PTO-948) attached  the Office action of drawings in the front (not the 1.121(d).	uirements  OTICE OF  back) of
Attachment(s)  1. ☐ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 8/13/09  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6.  ☐ Interview Sum Paper No./Ma 7.  ☑ Examiner's Ar	mal Patent Application mary (PTO-413), ail Date nendment/Comment atement of Reasons for Allov	wance

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#### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

Cancel claims 24-33.

#### **REASONS FOR ALLOWANCE**

2. The following is an examiner's statement of reasons for allowance:

In the Remarks filed in July 9, 2009, Applicants have shown that the high-cis polybutadienes synthesized using the catalysts comprising yttrium compound of the instant claims have much higher 1,4-cis percentage contents as compared to those synthesized using the catalysts comprising neodymium compound of Tsujimoto et al. (JP 11-080222). The increase of the 1,4-cis percentage content is critical and unexpected, therefore, the rejection under 35 U.S.C. 103(a) as being unpatentable over Tsujimoto of previous Office Action mailed May 20, 2009 is withdrawn and the instant claims are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Caixia Lu whose telephone number is (571) 272-1106. The examiner can normally be reached on 9:00 a.m. to 5:30 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu can be reached on (571) 272-1114. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Caixia Lu/ Primary Examiner Art Unit 1796